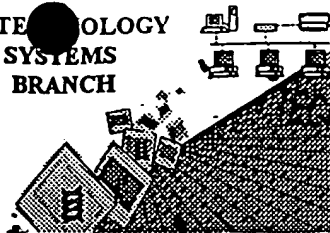


## RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



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MAR 17 2003  
CENTER 1600/291

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

07/867,819C

1600

3-13-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

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1600

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/07/867,819C

DATE: 03/13/2003  
TIME: 12:30:32

Input Set : N:\Crf4\03122003\G867919C.raw  
Output Set : N:\CRF4\03132003\G867819C.raw

C--> 1 <110> APPLICANT: Harley, John  
2 <120> TITLE OF INVENTION: Methods and Reagents for Diagnosis of Autoantibodies  
3 <130> FILE REFERENCE: OMRF 114 CIP (2)  
4 <140> CURRENT APPLICATION NUMBER: US/07/867,819C  
5 <141> CURRENT FILING DATE: 1992-04-13  
6 <150> PRIOR APPLICATION NUMBER: 07/472,947  
7 <151> PRIOR FILING DATE: 1990-01-31  
8 <150> PRIOR APPLICATION NUMBER: 07/648,205  
9 <151> PRIOR FILING DATE: 1991-01-31  
10 <160> NUMBER OF SEQ ID NOS: 161  
11 <170> SOFTWARE: PatentIn version 3.1  
13 <210> SEQ ID NO: 1  
14 <211> LENGTH: 8  
15 <212> TYPE: PRT  
16 <213> ORGANISM: homo sapien  
17 <220> FEATURE:  
18 <221> NAME/KEY: MISC\_FEATURE  
19 <222> LOCATION: (1)..(8)  
20 <223> OTHER INFORMATION: Binding site  
21 <400> SEQUENCE: 1  
22 Gly Thr Phe Lys Ala Phe Asp Lys  
23 1 5  
25 <210> SEQ ID NO: 2  
26 <211> LENGTH: 15  
27 <212> TYPE: PRT  
28 <213> ORGANISM: homo sapien  
29 <220> FEATURE:  
30 <221> NAME/KEY: MISC\_FEATURE  
31 <222> LOCATION: (1)..(8)  
32 <223> OTHER INFORMATION: Binding site  
33 <400> SEQUENCE: 2  
34 Cys Asp Glu Phe Arg Lys Ile Lys Pro Lys Asn Ala Lys Gln Pro  
35 1 5 10 15  
37 <210> SEQ ID NO: 3  
38 <211> LENGTH: 8  
39 <212> TYPE: PRT  
40 <213> ORGANISM: homo sapien  
41 <220> FEATURE:  
42 <221> NAME/KEY: MISC\_FEATURE  
43 <222> LOCATION: (1)..(8)  
44 <223> OTHER INFORMATION: Binding site  
45 <400> SEQUENCE: 3  
46 Arg Val Pro Leu Ala Gly Ala Ala

Does Not Comply  
Corrected Diskette Needed

pp. 4, 6

## RAW SEQUENCE LISTING

DATE: 03/13/2003

PATENT APPLICATION: US/07/867,819C

TIME: 12:30:32

Input Set : N:\Crf4\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

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47      1      5
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50 <211> LENGTH: 17
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52 <213> ORGANISM: homo sapien
53 <220> FEATURE:
54 <221> NAME/KEY: MISC_FEATURE
55 <222> LOCATION: (4)..(11)
56 <223> OTHER INFORMATION: Binding site
57 <400> SEQUENCE: 4
58      Ala Gly Gly Pro Gly Val Gly Arg Ala Ala Gly Arg Gly Val Pro Ala
59      1      5      10      15
60      Gly
62 <210> SEQ ID NO: 5
63 <211> LENGTH: 15
64 <212> TYPE: PRT
65 <213> ORGANISM: homo sapien
66 <220> FEATURE:
67 <221> NAME/KEY: MISC_FEATURE
68 <222> LOCATION: (7)..(14)
69 <223> OTHER INFORMATION: Binding site
70 <400> SEQUENCE: 5
71      Ala Gly Leu Ala Gly Pro Val Arg Gly Val Gly Gly Pro Ser Gln
72      1      5      10      15
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 12
76 <212> TYPE: PRT
77 <213> ORGANISM: homo sapien
78 <220> FEATURE:
79 <221> NAME/KEY: MISC_FEATURE
80 <222> LOCATION: (3)..(10)
81 <223> OTHER INFORMATION: Binding site
82 <400> SEQUENCE: 6
83      Gln Val Met Thr Pro Gln Gly Arg Gly Thr Val Ala
84      1      5      10
86 <210> SEQ ID NO: 7
87 <211> LENGTH: 15
88 <212> TYPE: PRT
89 <213> ORGANISM: homo sapien
90 <220> FEATURE:
91 <221> NAME/KEY: MISC_FEATURE
92 <222> LOCATION: (8)..(15)
93 <223> OTHER INFORMATION: Binding site
94 <400> SEQUENCE: 7
95      Pro Thr Gln Tyr Pro Pro Gly Arg Gly Thr Pro Pro Pro Pro Val
96      1      5      10      15
98 <210> SEQ ID NO: 8
99 <211> LENGTH: 15
100 <212> TYPE: PRT

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## RAW SEQUENCE LISTING

DATE: 03/13/2003

PATENT APPLICATION: US/07/867,819C

TIME: 12:30:32

Input Set : N:\Crf4\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

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101 <213> ORGANISM: homo sapien
102 <220> FEATURE:
103 <221> NAME/KEY: MISC_FEATURE
104 <222> LOCATION: (2)..(9)
105 <223> OTHER INFORMATION: Binding site
106 <400> SEQUENCE: 8
107      Thr Pro Pro Pro Pro Val Gly Arg Ala Thr Pro Pro Pro Gly Ile
108      1              5              10              15
110 <210> SEQ ID NO: 9
111 <211> LENGTH: 8
112 <212> TYPE: PRT
113 <213> ORGANISM: homo sapien
114 <220> FEATURE:
115 <221> NAME/KEY: MISC_FEATURE
116 <222> LOCATION: (1)..(8)
117 <223> OTHER INFORMATION: Binding site
118 <400> SEQUENCE: 9
119      Pro Pro Pro Gly Ile Met Ala Pro
120      1              5
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 11
124 <212> TYPE: PRT
125 <213> ORGANISM: homo sapien
126 <220> FEATURE:
127 <221> NAME/KEY: MISC_FEATURE
128 <222> LOCATION: (3)..(10)
129 <223> OTHER INFORMATION: Binding site
130 <400> SEQUENCE: 10
131      Met Ala Pro Pro Pro Gly Met Arg Pro Pro Met
132      1              5              10
134 <210> SEQ ID NO: 11
135 <211> LENGTH: 16
136 <212> TYPE: PRT
137 <213> ORGANISM: homo sapien
138 <220> FEATURE:
139 <221> NAME/KEY: MISC_FEATURE
140 <222> LOCATION: (5)..(12)
141 <223> OTHER INFORMATION: Binding site
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143      Pro Ile Gly Leu Pro Pro Ala Arg Gly Thr Pro Ile Gly Met Pro Pro
144      1              5              10              15
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147 <211> LENGTH: 8
148 <212> TYPE: PRT
149 <213> ORGANISM: homo sapien
150 <220> FEATURE:
151 <221> NAME/KEY: MISC_FEATURE
152 <222> LOCATION: (1)..(8)
153 <223> OTHER INFORMATION: Binding site

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## RAW SEQUENCE LISTING

DATE: 03/13/2003

PATENT APPLICATION: US/07/867,819C

TIME: 12:30:32

Input Set : N:\Crf4\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

154 <400> SEQUENCE: 12  
 155       Pro Ile Gly Met Pro Pro Pro Gly  
 156       1                               5  
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 159 <211> LENGTH: 11  
 160 <212> TYPE: PRT  
 161 <213> ORGANISM: homo sapien  
 162 <220> FEATURE:  
 163 <221> NAME/KEY: MISC\_FEATURE  
 164 <222> LOCATION: (1)..(8)  
 165 <223> OTHER INFORMATION: Binding site  
 166 <400> SEQUENCE: 13  
 167       Arg Pro Pro Pro Pro Gly Ile Arg Gly Pro Pro  
 168       1                               5                               10  
 170 <210> SEQ ID NO: 14  
 171 <211> LENGTH: 12  
 172 <212> TYPE: PRT  
 173 <213> ORGANISM: homo sapien  
 174 <220> FEATURE:  
 175 <221> NAME/KEY: MISC\_FEATURE  
 176 <222> LOCATION: (3)..(10)  
 177 <223> OTHER INFORMATION: Binding site  
 178 <220> FEATURE:  
 179 <221> NAME/KEY: VARIANT  
 180 <222> LOCATION: (9)..(9)  
 181 <223> OTHER INFORMATION: Arginine at position 9 can be substituted with F, G, H, I  
 182       T, V and Y.  
 183 <400> SEQUENCE: 14  
 184       Arg Gly Pro Pro Pro Pro Gly Met Arg Pro Pro Arg  
 185       1                               5                               10  
 187 <210> SEQ ID NO: 15  
 188 <211> LENGTH: 9  
 189 <212> TYPE: PRT  
 190 <213> ORGANISM: homo sapien  
 191 <220> FEATURE:  
 192 <221> NAME/KEY: MISC\_FEATURE  
 193 <222> LOCATION: (1)..(8)  
 194 <223> OTHER INFORMATION: Binding site  
 195 <400> SEQUENCE: 15  
 196       Thr Phe Lys Ala Phe Asp Lys His Met  
 197       1                               5  
 199 <210> SEQ ID NO: 16  
 200 <211> LENGTH: 8  
 201 <212> TYPE: PRT  
 202 <213> ORGANISM: homo sapien  
 203 <220> FEATURE:  
 204 <221> NAME/KEY: MISC\_FEATURE  
 205 <222> LOCATION: (1)..(8)  
 206 <223> OTHER INFORMATION: Binding site

K, S,

*If the amino acid at position 9 can vary,  
 please use Xaa, instead, and explain in 220*

2237  
 Diction

## RAW SEQUENCE LISTING

DATE: 03/13/2003

PATENT APPLICATION: US/07/867,819C

TIME: 12:30:32

Input Set : N:\Crf4\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

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209       1           5
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212 <211> LENGTH: 8
213 <212> TYPE: PRT
214 <213> ORGANISM: homo sapien
215 <220> FEATURE:
216 <221> NAME/KEY: MISC_FEATURE
217 <222> LOCATION: (1)..(8)
218 <223> OTHER INFORMATION: Binding site
219 <400> SEQUENCE: 17
220   Lys Asp Thr Gly Ile Ala Arg Val
221       1           5
223 <210> SEQ ID NO: 18
224 <211> LENGTH: 10
225 <212> TYPE: PRT
226 <213> ORGANISM: homo sapien
227 <220> FEATURE:
228 <221> NAME/KEY: MISC_FEATURE
229 <222> LOCATION: (3)..(10)
230 <223> OTHER INFORMATION: Binding site
231 <400> SEQUENCE: 18
232   Ile Pro Gln Ala Pro Ala Gly Leu Ala Gly
233       1           5           10
235 <210> SEQ ID NO: 19
236 <211> LENGTH: 18
237 <212> TYPE: PRT
238 <213> ORGANISM: homo sapien
239 <220> FEATURE:
240 <221> NAME/KEY: MISC_FEATURE
241 <222> LOCATION: (4)..(16)
242 <223> OTHER INFORMATION: Binding site
243 <400> SEQUENCE: 19
244   Gln Val Leu Asn Ile Gln Met Arg Arg Thr Leu His Lys Ala Phe Lys
245       1           5           10           15
246   Gly Ser
248 <210> SEQ ID NO: 20
249 <211> LENGTH: 21
250 <212> TYPE: PRT
251 <213> ORGANISM: homo sapien
252 <220> FEATURE:
253 <221> NAME/KEY: MISC_FEATURE
254 <222> LOCATION: (8)..(15)
255 <223> OTHER INFORMATION: Binding site
256 <400> SEQUENCE: 20
257   Ile Cys His Gln Ile Glu Tyr Tyr Phe Gly Asp Phe Asn Leu Pro Arg
258       1           5           10           15
259   Asp Lys Phe Leu Lys

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/07/867,819C

DATE: 03/13/2003  
TIME: 12:30:33

Input Set : N:\Crf4\03122003\G867919C.raw  
Output Set: N:\CRF4\03132003\G867819C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:119; Xaa Pos. 5

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:14; Line(s) 181

VERIFICATION SUMMARY

DATE: 03/13/2003

PATENT APPLICATION: US/07/867,819C

TIME: 12:30:33

Input Set : N:\Crf4\03122003\G867919C.raw

Output Set: N:\CRF4\03132003\G867819C.raw

L:4 M:270 C: Current Application Number differs, Replaced Current Application Number

L:1379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:0.